IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application
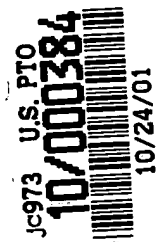
Inventor(s)   Cristof Fetzer
                 ZhenXiao

Docket No.   2000-0693
Serial No.
Filing Date
Examiner

Title   Methods And Apparatus For Detecting Heap Smashing

COMMISSIONER FOR PATENTS
   WASHINGTON, D. C. 20231
SIR:

INFORMATION DISCLOSURE STATEMENT

   In accordance with 37 CFR § 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.
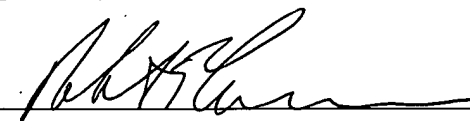
   A copy of each of the listed documents is enclosed.

   In accordance with 37 CFR § 1.97(h), by filing this Information Disclosure Statement, Applicants are not admitting that the information cited in the Statement is, or is considered to be, material to the patentability as defined in § 1.56(b).

   NO FEE REQUIRED

   In the event of non-payment or improper payment of a required fee, the commissioner is authorized to charge or credit **Deposit Account No. 01-2745** as required to correct the error.

Respectfully,

By_____

Robert T. Canavan, Attorney
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Date: October 24, 2001

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INFORMATION DISCLOSURE STATEMENT	Docket No.	2000-0693
	Serial No.	
	Applicant:	Christof Fetzer et al.
	Filing Date:	
	Group:	

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Dat
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translati n
	AL						
	AM						
	AN						

OTHER (including Author, Title, Date, Pertinent Pages, etc.)

/	AP	R. Hastings et al., "Purify: Fast Detection of Memory Leaks and Access Errors," *Proc. of the Winter USENIX Conference*, 1992; pp. 125-136.
/	AQ	T. M. Austin et al., "Efficient Detection of All Pointer and Array Access Errors," *Proc. of ACM SIGPLAN '94 Conf.,* June 1994, pp. 290-301
/	AR	K-P. Vo, "Vmalloc: A general and efficient memory allocator," *Software Practice & Experience,* March 1996, pp. 1-21.
/	AS	K-P. Vo et al., "Xept: A Software Instrumentation Method for Exception Handling," *8th Int'l. Symposium on Software Reliability Engineering,* 1997
/	AT	Aleph One, "Smashing The Stack For Fun And Profit," *Phrack Magazine,* 1998
/	AU	C. Cowan et al., "StackGuard: Automatic Adaptive Detection and Prevention of Buffer-Overflow Attacks," *Proc. 7th USENIX Security Symposium*, San Antonio, Texas, Jan. 26-29, 1998
/	AV	F. Salles et al., "MetaKernels and Fault Containment Wrappers," *IEEE Int'l. Symposium on Fault-Tolerant Computing,* 1999, pp. 22-29.

EXAMINER	DATE CONSIDERED

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	Docket No. Serial No. Applicant: Filing Date: Group:	2000-0693 Christof Fetzer et al.	

	AW	D. Wagner et al., "A First Step Towards Automated Detection of Buffer Overrun Vulnerabilities," *Proc. of the Network and Distributed System Security Symposium,* 2000.
	AX	A. Baratloo et al, "Transparent Run-Time Defense Against Stack Smashing Attacks," *Proc. of 2000 USENIX Annual Technical Conf.,* San Diego, CA, June 18-23, 2000.
	AY	BIND, http://www.securityfocus.com/vdb/bottom.html?vid=2303
	AZ	Bruce Perens, ElectricFence: ftp//ftp.perens.com/pub/ElectricFence/